

Comparisons of Job Characteristics

Focus Occupation: **Brickmasons and Blockmasons (47-2021)**

Associated Occupation: **Carpenters (47-2031)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Brickmasons and Blockmasons (47-2021)

Associated Occupation: Carpenters (47-2031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Building and Construction	4.0	17.5	17.9	0	Current knowledge level may be sufficient
Mathematics	9.2	12.8	11.2	<	Expanded education and/or training may be required
Mechanical	6.8	12.6	9.6	<<	Extensive education and/or training may be required
Design	5.2	12.2	10.7	<	Expanded education and/or training may be required
Production and Processing	6.0	10.9	8.3	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	8.6	8.7	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Brickmasons and Blockmasons (47-2021)

Associated Occupation: Carpenters (47-2031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Repairing	3.4	6.1	5.1	<	A higher skill level may be required
Equipment Selection	3.3	5.9	5.8	0	Current skill level may be sufficient
Equipment Maintenance	3.5	5.1	4.7	0	Current skill level may be sufficient
Installation	1.7	3.8	1.5	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 93			
Focus Occupation: Brickmasons and Blockmasons (47-2021) Associated Occupation: Carpenters (47-2031)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Trunk Strength	5.7	11.4	13.8	>	Current ability level is likely sufficient
Static Strength	5.0	11.3	14.1	>	Current ability level is likely sufficient
Visualization	7.5	11.3	11.1	0	Current ability level may be sufficient
Manual Dexterity	6.5	11.2	11.8	0	Current ability level may be sufficient
Extent Flexibility	4.8	10.8	11.9	>	Current ability level is likely sufficient
Multilimb Coordination	6.0	10.8	10.8	0	Current ability level may be sufficient
Stamina	4.0	8.7	7.8	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	8.6	8.0	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	8.3	6.2	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	6.2	5.2	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 79
Focus Occupation: Brickmasons and Blockmasons (47-2021) Associated Occupation: Carpenters (47-2031)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Apply adhesives, caulking, sealants, or coatings	45	
Build or repair structures in construction, repair, or manufacturing setting	54	
Climb ladders, scaffolding, or utility or telephone poles	56	
Determine material or tool requirements	72	
Erect scaffold	56	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Inspect premises or structure for evidence of deterioration or damage	85	
Move or fit heavy objects	8	
Perform safety inspections in construction or resource extraction setting	46	
Read blueprints	10	
Read tape measure	41	
Read technical drawings	7	

Understand construction specifications	53
Use hand or power tools	2
Use measuring devices in construction or extraction work	41
Weld together metal parts, components, or structures	54

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 79

Focus Occupation: Brickmasons and Blockmasons (47-2021)
Associated Occupation: Carpenters (47-2031)

Tools and Technologies	Exclusivity
Business function specific software	1
Compressors	9
Computers	1
Cutting and crimping and punching tools	3
Dispensing tools	6
Drafting supplies	9
Face and head protection	7
Fall protection	16
Fastener setting tools	12
Finance accounting and enterprise resource planning ERP software	2
Forming tools	2
Holding and clamping tools	3
Indicating and recording instruments	2
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machinery for working wood and stone and ceramic and the like	12
Marking tools	11
Measuring and layout tools	3
Pneumatic tools	8
Power generators	16
Power tools	2
Prying and bending tools	10
Respiratory protection	6
Rough and finishing tools	5
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.